MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

MARCH 1951

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

MARCH 1951

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.3	60.1	61.0	60.5	19.6	14.0	16.8	20.0	15.3	17.4
2	61.8	61.1	60.5	61.1	20.4	15.7	16.1	18.9	18.6	17.9
3	60.4	60.3	62.6	61.1	21.3	14.4	17.8	17.2	15.2	16.7
4	64.8	64.8	65.2	64.9	18.6	13.0	16.4	17.8	14.6	16.3
5	65.8	64.7	64.7	65.1	19.0	13.6	15.7	17.9	14.6	16.1
6	63.3	61.9	62.0	62.4	20.8	15.3	17.0	20.0	17.2	18.1
7	62.3	61.4	61.6	61.8	22.4	16.2	17.9	21.3	17.2	18.8
8	60.8	58.8	55.9	58.5	22.6	16.9	19.4	21.1	19.6	20.0
9	59.7	60.6	61.8	60.7	20.7	13.1	17.8	20 2	16.6	18.2
10	61.8	60.2	58.1	60.0	19.6	13.4	16.3	19.4	14.7	16.8
11	55.7	56.6	58.4	56.9	19.1	13.8	18.8	19.1	14.4	17.4
12	61.6	62.3	64.7	62.9	19.5	12.3	16.0	19.3	15.0	16.8
13	68.0	67.8	68.4	68.1	18.8	12.9	16.1	19.4	15.1	16.9
14	67.2	66.7	66.5	66.8	19.7	14.4	15.8	19.3	15.7	16.9
15	64.4	62.5	62.4	63.1	20.3	14.7	17.5	20.2	16.1	17.9
16	61.6	61.2	60.8	61.2	20.6	13.8	17.5	20.0	16.3	17.9
17	60.2	59.5	59.3	59.7	20.7	15.1	17.6	19.9	16.2	18.9
18	58.5	56.6	57.7	57.6	22.0	15.9	18.3	21.5	19.3	19.7
19	60.5	60.0	60.4	60.3	24.3	15.2	20.4	22.5	17.4	20.1
20	60.7	59.7	59.7	60.0	20.9	15.1	17.9	18.9	16.8	17.9
21	58.1	56.8	57.6	57.5	22.9	16.9	19.1	22.2	18.4	19.9
22	58.1	58.3	59.4	58.6	21.8	14.4	19.2	20.9	16.2	18.8
23	60.9	60.1	60.1	60.4	23.3	16.5	18.7	21.7	17.2	19.2
24	56.4	52.6	53.3	53.4	31.8	16.6	22.2	30.3	21.1	24.5
25	55.4	56.2	55.6	55.7	17.7	12.4	14.5	16.7	15.7	15.6
26	59.1	59.6	60.1	59.6	19.9	13.0	14.3	19.6	14.6	16.2
27	59.5	57.9	57.9	58.4	21.1	12.1	17.6	20.8	17.4	18.6
28	59.2	59.2	59.6	59.3	19.0	10.2	12.9	17.6	11.7	14.1
29	61.4	60.8	61.2	61.1	19.0	13.8	14.4	18.8	15.7	16.3
30	61.9	62.2	63.4	62.5	20.7	13.3	16.8	20.4	15.5	17.6
31	64.2	63.4	64.0	63.9	20.3	14.7	18.9	20.0	16.7	18.5
	61.08	60.45	60.77	60.74	20.91	14.28	17.28	20.09	16.32	17.93

Barometer, range for month 768.0 mm. — 752.6 mm.

,, 71-yr. average for month 761.187 mm.

Thermometer, range for month 31.8°C —10.2°C

,, 71-yr. average for month 16.16°C.

Rain, total for month 58.94 mm.

,, 71-yrs. average for month 92.54 mm.

,, Tolal, Sept. 1st. to end of month 630.68 mm.

,, 71-yr. average, Sept. 1st. to end of month 814.84 mm

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.9	16.9	16.1	15.6	74	73	90	79	10.5	117.0	
2	14.9	14.1	10.3	13.1	82	61	49	64	7.0	135.0	
3	17.0	15.8	12.1	15.0	83	79	69	77	4.3	418.0	
4	12.1	11.3	11.5	11.6	66	55	70	64	6.1	196.0	
5	11.8	12.8	12.5	12.4	64	62	76	67	8.2	158.0	
6	13.4	15.8	16.9	15.4	70	67	84	74	6.4	132.0	
7	14.1	16.5	16.9	15.8	70	66	85	74	9.1	166.0	
8	14.6	13.8	14.0	14.1	65	55	62	61	7.6	119.0	
9	16.1	16.3	13.6	15.3	79	71	73	74	5.3	476.0	
10	13.1	13.5	12.9	13.2	71	60	79	70	9.2	101.0	
11	13.9	14.5	11.5	13.3	65	68	70	68	3.7	126.0	
12	11.6	11.9	11.1	11.5	62	52	65	60	9.5	117.0	
13	7.9	10.4	9.6	9.3	43	45	58	49	10.0	130.0	
14	9.1	14.6	14.5	12.7	51	64	83	66	10.4	154.0	
15	13.9	16.3	15.6	15.3	73	70	85	76	8.3	174.0	
16	16.3	17.4	17.3	17.0	80	74	92	82	9.8	124.0	
17	15.6	17.4	16.7	16.6	75	76	92	81	7.7	232.0	
18	16.5	18.4	12.4	15.8	78	72	57	69	4.8	203.0	
19	14.6	18.1	17.4	16.7	60	65	90	72	8.9	142.0	
20	15.0	17.8	16.8	16.5	74	81	88	81	7.2	288.0	
21	13.1	14.0	15.5	14.2	60	53	75	63	9.7	431.0	
22	18.1	17.1	15.6	16.9	81	69	85	78	5.5	351.0	
23	17.1	17.8	16.3	17.1	80	69	82	77	10.3	286.0	
24	17.1	14.9	16.0	16.0	64	33	63	53	6.7	192.0	31.50
25	16.5	12.1	16.6	15.1	99	64	95	86	3.2	512.0	
26	14.4	13.6	11.0	13.0	89	58	69	72	5.4	201.0	8.64
27	12.3	14.8	14.8	14.0	61	61	75	66	10.3	190.0	
28	14.3	13.3	13.2	13.6	96	65	94	85	0.2	238.0	8.89
29	13.4	13.9	13.0	13.4	82	63	74	73	8.2	307.0	9.91
30	14.2	15.3	13.0	14.2	74	61	74	70	4.4	195.0	
31	13.9	16.9	14.7	15.2	64	71	77	71	9.8	212.0	
	14.19	15.07	14.18	14.48	72.1	64.0	76.8	71.0	7.34	216.87	1.901

Height of Barometer above sea level: 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	2ci	0	0	0.7	1w	1ne	1ne	calm	D., a.m., p.m.
2	3ci-cu	2cu	0	1.7	1sw	1ne	1ne	„	„ „
3	10st	10cu-st	0	3.7	2ne	4w	3sw	slight	
4	4ci-cu	6cu-ci	3cu	4.3	1sw	2w	1ne	„	
5	2ci-cu	3ci-cu	1cu	2.0	2se	2w	1ne	light	
6	8st-ci	5cu-ci	5cu-st	6.0	1nw	1ne	3ne	light	
7	0	4ci	2ci	2.0	3sw	2nw	1ne	„	D., a.m.; H; a.m.
8	4ci	6ci-st	5st-ci	3.7	1w	1ne	1e	calm	
9	8cu	7cu	2cu	5.7	4sw	4sw	2se	mod.	W., a.m.
10	7ci	1ci	0	2.7	1sw	1sw	1sw	slight	
11	10st	8st	6cu-st	8.0	2w	1sw	1sw	slight	
12	4cu-ci	0	0	1.3	1w	1n	1n	„	
13	0	0	0	0.0	1e	2n	2ne	„	Excellent visibility
14	0	2ci	2ci	1.3	1ne	3ne	2ne	light	„ „
15	7ci	4ci	2ci	4.3	2ne	1ne	1ne	„	D., a.m.
16	0	3ci-cu	0	1.0	1ne	1ne	1ne	light	D., a.m., p.m.
17	3ci-st	7ci	0	3.3	3sw	2ne	1ne	calm	„ „
18	10st	3ci-cu	4ci-cu	5.7	1sw	2ne	3sw	light	
19	4ci	5ci	2ci	3.9	1e	1nw	1se	calm	D. p.m.
20	3ci	10st	8st-ci	7.0	3sw	3sw	2nw	„	D., a.m.
21	3cu-st	3cu	8cu-st	4.7	3sw	4sw	2nw	slight	
22	9cu	5cu-st	0	4.7	3w	3w	1w	„	
23	2ci	0	0	0.7	2ne	3ne	1ne	light	Excellent Visibility
24	0	8ci-cu	9cu-ni	5.7	2nw	2w	6w	„	
25	10-ni	8cu	8ni-cu	8.7	2w	6nw	2w	„	
26	9ni-cu	1cu	1cu	3.7	1w	2w	2w	slight	
27	0	0	0	0.0	1s	3sw	1ne	light	
28	8ni	9ni-cu	8cu-ni	8.3	2sw	3sw	1sw	slight	Th., a.m., p.m.
29	6cu	2cu	5cu	4.3	2sw	3sw	3sw	mod.	
30	10cu-ni	6cu-st	1cu	5.7	2sw	2w	0	slight	
31	0	0	8cu-st	2.7	2ne	3ne	1ne	light	
				3.79					

Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	6	2	1	1	12	7	2	0	31
14:30	2	11	0	0	0	8	7	3	0	31
20:30	1	14	1	0	2	6	4	2	1	31
Total	3	31	3	1	3	26	18	7	1	93

Number of days with rain 4, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 10.76